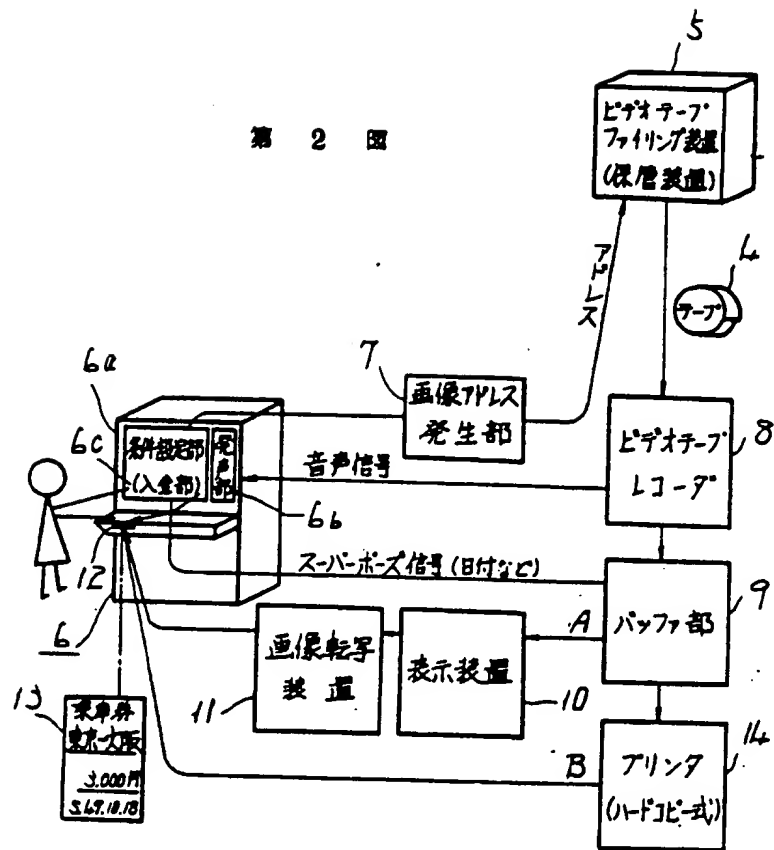




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**Fig. 1 & Fig. 2 Continued**

- 1 Passenger Ticket, Tokyo-Osaka, 3,000 Yen
- 2 High Resolution Camera  
[Line between 2 and 4:] Image Input  
[Box before 3:] Image Address Selection Apparatus  
(keyboard)  
[Circle before 3:] Voice
- 3 Voice Input Apparatus  
[Line between 3 and 4:] Voice Input
- 4 Videotape [left of 5]
- 4 Tape [below 5]
- 5 Videotape Filing Apparatus (Save Apparatus)  
[Line between 5 and 7:] Address
- 6a Condition Setting
- 6b Speaking Portion
- 6c Money Insertion Portion
- 7 Image Address Generation Portion
- 8 Videotape Recorder  
[Line between 8 and 6b:] Voice Signal
- 9 Buffer Portion  
[Line between 6c and 9:] Superpose Signal (such as  
a date)
- 10 Display Apparatus

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**Fig. 1 & Fig. 2 Continued**

- 11 Image Transcription Apparatus
  - 13 Passenger Ticket, Tokyo-Osaka, 3,000 Yen, S  
October 18, 1974
  - 14 Printer (Hard Copy Type)
- End.**

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Published March 29, 1980

In regard to Utility Model Application Sho 50-159632 (Utility Model Disclosure 52-72800, Utility Model Publication Gazette 52-728 published May 31, 1977), the following statement is presented as a revision in accordance with Article 17-2 of the Patent Law as applied in Article 55, Paragraph 2 of the Utility Model Law.

International Classes: G 07 B 1/00

G 07 F 17/42

Identification Codes: [Blank]

Patent Office Internal Filing

Numbers: 7234-3E

6784-3E

### Statement

1. The Title Of The Utility Model is revised as follows.

(54) Ticket Issuing Apparatus

2. The Scope Of Utility Model Registration Claim is revised as follows.

(57) Scope Of Utility Model Registration Claim

Ticket issuing apparatus furnished with: (a) a memory medium that stores ticket face information and voice guide information pertaining to the ticket face information. (b) a condition setting portion that selects prescribed ticket face

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information from this storage medium, and (c) a speaking portion that does voice output by regenerating from the said storage medium guide information corresponding to the ticket face information selected by the condition setting portion.

3. The Brief Explanation Of The Drawings is revised as follows.

#### Brief Explanation Of The Drawings

Fig. 1 is a constructional diagram of a filing system construction diagram for the storage medium that constructs a portion of the present device, and Fig. 2 is a system diagram of the apparatus illustrating an example of the present device.

- 13 Ticket
- 4 Recording medium
- 6a Condition setting portion
- 6b Voice portion

4. The drawings are revised as follows.

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**Fig. 1**

- 1 Passenger Ticket, Tokyo-Osaka, 3,000 Yen
- 2 High Resolution Camera  
[Line between 2 and 4:] Image Input  
[Box at lower left:] Image Address Selection  
Apparatus (Keyboard)  
[Circle:] Voice  
[Box at end of broken line from Voice:]  
Voice Input Apparatus  
[Line between above box and 4:] Voice Input
- 4 Videotape
- 5 Videotape Filing Apparatus (Save Apparatus)

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Fig. 2





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## Fig. 2 Continued

- 4 Tape
  - 5 Videotape Filing Apparatus (Save Apparatus)  
[Line going into 5:] Address
  - 6a Condition Setting Portion
  - 6b Speaking Portion
  - 6c (Money Insertion Portion)
  - 7 Image Address Generation Portion
  - 8 Videotape Recorder  
[Line between 8 and 6b:] Voice Signal
  - 9 Buffer Portion  
[Line between 6c and 9:] Superpose Signal (such as  
a date)
  - 10 Display Apparatus
  - 11 Image Transcription Apparatus
  - 13 Passenger Ticket, Tokyo-Osaka, 3,000 Yen, S  
October 18, 1974
  - 14 Printer (Hard Copy Type)
- End.

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**Utility Model Disclosure Sho 52-72800**

**Utility Model Registration Application (2)**

(¥3,000)

November 27, 1975

To: Director General Of The Patent Office, Esq.

1. Title Of The Device.

Passenger Ticket Issuing Apparatus With Voice Guide

2. Deviser.

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5. List Of Attached Documents.

- |                             |            |
|-----------------------------|------------|
| (1) Letter of Attorney      | 1 document |
| (2) Specification           | 1 document |
| (3) Drawings                | 1 document |
| (4) Copy of the Application | 1 document |

[Stamped impressions from top:]

Approved

Patent Office, November 2[illegible], 1975

Examined For Form [Illegible Name]

50-159632

[Seal of Inoue]

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## Specification

### 1. Title Of The Device.

Passenger Ticket Issuing Apparatus With Voice Guide

### 2. Scope Of Utility Model Registration Claim.

Passenger ticket issuing apparatus with a voice guide characterized in that a videotape is furnished having the ticket face information of the passenger ticket recorded as an image signal and an acoustic guide recorded on an acoustic track corresponding to the said image, and the content recorded on the required videotape can be printed on ticket paper for issuance under conditions set by the purchaser.

### 3. Detailed Explanation Of The Device.

The present device relates mainly to apparatus for issuing such as medium and long distance railway tickets, and in particular relates to easily operated railway ticket issuing apparatus that can be operated by the purchaser himself instead of prior railway ticket issuing machines that were operated by an operator.

In recent years the increased trend toward personnel economies in the railroad industry has been leading to the mechanization and automation of nearly all ticket issuing work. This trend advanced quickly for short distance railway tickets, where it is now possible to do the ticket purchasing work with

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simple methods of ticket issuance, thereby making great contributions to reductions in station staffs.

On the other hand, although it may be said that the mechanization of such as medium and long distance railway tickets, designated tickets and fixed period tickets has started to become practical, the operating methods are rather complicated because of the diverse information on the ticket faces, so that in reality dedicated operators or other station personnel are still being used. There is believed to be an increasing demand for easily operated ticket issuing machines capable of operation by the purchaser himself instead of having dedicated operators, in the same manner as short distance railway ticket issuing machines or ticket vending machines, in order to have more personnel reductions in station work systems.

There is also believed to be a considerable demand for guide displays and further for voice guides so that customers can do transactions themselves, and a demand for easier money transactions (possibly by utilizing such as the priorily known individual identification cards).

The present device was made with a view to this situation. Its object lies in offering passenger ticket issuing apparatus with a voice guide that simplifies the ticket issuing machine itself by directly recording the ticket face onto videotape including portions that complicated the preparation

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of ticket faces with prior issuing machines. This apparatus also records voice guides (for example, such as deposit [illegible word]) in a voice track on the videotape.

An example of the present device will be explained below based on the drawings. In the drawings, (1) is a passenger ticket on which is recorded the information needed for ticket issuance in a medium and long distance passenger ticket issuing machine, and this passenger ticket (1) is recorded on videotape 4 furnished in high resolution camera (2). At the same time the address of the image of the said passenger ticket (1) and a voice guide for time of issuance (for example, one that announces the [illegible word] by voice and gives directions for depositing money) are recorded onto the said videotape (4) by means of voice input apparatus (3). Videotape (4) recorded in this manner is housed in videotape filing apparatus (5), so that the required data is produced by command of the issuing machine.

Next, (6) is a ticket issuing machine having condition setting portion (6a), speaking portion (6b) and money insertion portion (6c). When the purchaser operates condition setting portion (6a), the address of the image needed is transmitted to the said videotape filing apparatus (5) by means of image address generation portion (7), so that together with the selection of required videotape (4) the [illegible word] is done by videotape recorder (8). That is, the voice signal of

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videotape recorder (8) is sent to speaking portion (6b) of ticket issuing machine (6) and operates as a voice guide to the purchaser.

On the other hand, (9) is a buffer portion for the image recorded on the said videotape (4) that was selected, and by operation of the said condition setting portion (6a) the image signal is transmitted to the said buffer portion (9) while the ticket face information is collected by overlapping with a superposed signal comprising variable items such as date data.

In this manner the collected data is printed on the ticket face from the line shown by arrow A through display apparatus (10) and image transcription apparatus (11), and is either discharged in presentation opening (12) as the required ticket (13) or can be discharged into presentation opening (12) after direct printing by hard copy type printer (14) on the line shown by arrow B.

Because the issuing machine of the present device is one that is capable of issuing passenger tickets under operation by the customer, it may also be provided with a money insertion mechanism as money insertion portion (6c) that utilizes the customer's personal identification card for example.

As explained above the present device stores passenger ticket information as videotape images and as voice, and houses the videotape in the issuing machine. It is characterized in that a passenger ticket required by the

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passenger can be automatically issued by the passenger himself operating the said issuing machine.

Consequently it is one that makes automatic ticket issuance possible under operation by the passenger himself, for passenger tickets such as medium and long distance tickets, designated tickets and fixed period tickets that priorly required dedicated operators or part time work by station staff, and it is one that offers practical effects such as that the operation can be done very simply.

#### 4. Brief Explanation Of The Drawings

Fig. 1 and Fig. 2 are block diagrams of the passenger ticket issuing apparatus showing an example of the present device, where Fig. 1 is a flowchart of a videotape filing apparatus that constructs a portion of the apparatus and Fig. 2 is a flowchart for explaining the process whereby the passenger ticket is issued by means of the said videotape filing apparatus under operation by a purchaser.

13 Passenger ticket

4 Video tape

Agent: Patent Agent Kazuo Inoue





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